

Size: 8,855 acres
Mission: Provide logistics support for aircraft
HRS Score: 51.66; placed on NPL in July 1987
IAG Status: IAG signed in July 1989
Contaminants: VOCs, paint strippers and thinners, paints, solvents, phosphoric and chromic acids, oils, cyanide, and carbon remover
Media Affected: Groundwater, surface water, sediment, and soil
Funding to Date: \$88.2 million
Estimated Cost to Completion (Completion Year): \$363.4 million (FY2033)
Final Remedy in Place or Response Complete Date for All Sites: FY2006



Houston County, Georgia

Restoration Background

In FY82, Preliminary Assessments and Site Inspections were completed for 33 sites at this installation. The most significant site consists of Landfill No. 4 and an adjacent sludge lagoon. The site is divided into three operable units (OUs): source control (OU1), wetlands (OU2), and groundwater (OU3). Primary contaminants at the site include trichloroethene and tetrachloroethane in soil and groundwater.

Remedial Investigation and Feasibility Study (RI/FS) activities were initiated in FY86 and FY88. In FY93, the installation constructed run-on controls, and completed the pilot-scale system for lagoon solidification, at OU1. Also in FY93, the installation completed the Remedial Design (RD) of the cover for Landfill No. 4. In FY94, the installation began a RCRA Facility Investigation (RFI) at five sites. Interim Actions included encapsulation of Landfill No. 3 and removal of hazardous and radioactive waste from two other sites. An interim Record of Decision (ROD) was signed for OU2. In FY95, an interim ROD was signed for OU3 and Interim Actions were completed at the Hazardous Waste Site. Final decision documents for 24 of the 33 sites recommended no further action (NFA).

In FY96, cleanup of the sludge lagoon was completed on schedule. The installation also demonstrated a bioremediation treatment process for groundwater contaminated with volatile organic compounds (VOCs). Construction of the leachate collection system at Landfill No. 4, the groundwater extraction system, and the associated wastewater treatment plant began. Quarterly monitoring began at OU2. Microbial activity was evaluated for remediation of contamination in both OU2 and the Base Industrial Area. Draft corrective action plans (CAPs) were

completed for two RCRA sites, final RFIs were completed for four sites, and one more RCRA site was recommended for NFA. In FY97, the installation completed a redesign of the Landfill No. 4 cover. The process of obtaining a National Pollutant Discharge Elimination System (NPDES) permit for a new pump-and-treat system began. The CAP for SS10 was approved by the Georgia Environmental Protection Division (GA EPD). In addition, a review priority list was established; this list is tracked regularly.

A technical review committee formed in FY89 was converted to a Restoration Advisory Board (RAB) in FY94. The RAB has met quarterly since FY96.

FY98 Restoration Progress

A full-scale bioventing system was installed, a 300-gallon-per-minute capacity groundwater treatment plant was put into operation, the LF-4 geosynthetic clay liner installation was completed, and contaminated sediment was removed from Duck Lake.

CAPs were approved by the GA EPD for two sites, and the RD was initiated for implementing those CAPs. RFIs are being performed on five sites. The construction contingency plan for containing sediment at OU2 was completed, and the sediment removal study is under way.

Completion of the final FS and ROD was delayed because of delays in obtaining concurrence on the draft Initial Screening of Alternatives document. Monitoring and sampling of the wetlands were halted until the sediment containment project is in operation. The RAB played a major role in Relative Risk Site Evaluations, establishing cleanup priorities, and evaluation of program issues and goals.

Plan of Action

- Complete the RD for LF03 and OT17 and begin construction on the final Remedial Action (RA) in FY99
- Complete fieldwork on RFIs for OT20, DC34, SS35, SS36, and OT37 in FY99
- Begin fieldwork on OT38 RFI in FY99
- Obtain approval for site closure for three fire training areas in FY99
- Complete OU2 sediment containment project in FY99
- Continue operation of interim measures at LF03, LF04, and OT20 in FY99
- Continue final RAs at SS10 and OT29 in FY99
- Continue basewide groundwater sampling in FY99

FY99 FUNDING BY PHASE AND RELATIVE RISK

